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14 January 1957

SECRET

Form 101-1121

Date of Suggestion: 30 August 1956

Office of Communications (Field Employee)
GS-11

A. Summary of the Suggestion:

Suggester proposed that the originator of weather traffic make the following changes when packing and processing messages for encipherment and transmission:

- a. Substitute dash symbol for comma symbol and space.
- b. Substitute slant symbol for "NIL."
- c. Substitute three slant symbols for "REST NIL."
- d. Substitute word minus for minus symbol.
- e. Substitute word dash for dash symbol.

Three suggested changes would, by measurement, save the originator enciphering approximately 45,000 groups per month and thereby reduce the relay stations handling by 90,000 groups per month considering deciphering and reenciphering. The saving is accomplished by keeping text in upper case thereby reducing use of function keys to a minimum especially where dash symbol is substituted for comma symbol and space as function key 'figures' would not be needed when next group is in upper case. It is realized that elimination of space after comma symbol would accomplish some saving, however, from habit operators automatically strike space bar after comma symbol therefore a definite break or change is desirable.

B. Evaluation of the Concerned Office:

Case presented verbally at 29 November 1956 Suggestion Awards Committee Meeting by [REDACTED] CC, who submitted attached memorandum. (A)

Committee deferred decision pending further report by [REDACTED] CC which is attached as memo dated 20 December 1956. (B)

C. Recommendation of the Executive Secretary:

Approval. Award of \$215 (\$65 for tangible, \$150 for intangible benefits (moderate local) 2/3's of award to Mr. [REDACTED])

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OK - \$215
(Not divisible by 3)

MEMORANDUM FOR: Suggestion Awards Committee

FROM: [REDACTED] CC Member, SAC. *am. for L.H.*

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REFERENCE: Suggestion SF 1121

The correspondence regarding SF 1121 was initiated by someone other than the originator of the basic suggestion and does not cover the complete contribution which was made by [REDACTED] GS-12, Div D, while they were in the field.

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Their contribution is as follows: they worked out a bi-lingual (Chinese and English) condensation code for the handling of a specific type of traffic. (A condensation code, as the name implies, is a means of condensing information into a shortened form for transmission purposes. It has no security in itself and must be enciphered via existing cryptographic facilities.) The use of this code completely eliminated the need for a translator who had previously worked four hours a day, seven days a week on this traffic. As a result, the translator was, able to devote full time to other translating duties. In addition to this saving, the actual processing time for this traffic was cut from four hours to approximately 45 minutes. This is a most significant change because the information being transmitted is of a perishable nature.

In view of the contribution made, I recommend that an award be made for this joint effort based on the following tangible and intangible benefits:

Tangible:

Elimination of translator time (yearly salary \$1800.)	\$ 900.00
Saving of code clerk processing time	<u>600.00</u>
	\$1500.00

Intangibles:

The suggestion is of moderate benefit with local application.

Based on one normal scale of awards it is recommended that the total award be \$215. (\$65 for tangible and \$150 for intangible benefits). It is further recommended that the amount be divided with two-thirds being given to [REDACTED] and one-third to [REDACTED]

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ATT: A

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Office Memorandum • UNITED STATES GOVERNMENT

TO : Executive Secretary, Suggestion Awards
Committee

FROM : DD/S Representative, SAC.

SUBJECT: S-1121

DATE:

CSD 6-

1. At the 29 November meeting of the Committee it was determined that an award should be made to [REDACTED], OC and [REDACTED], FI/D for the development and use of a bi-lingual condensation code. The use of this code dispenses with the requirement for a translator, speeds up the processing of traffic and saves groups in the transmission of traffic.

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2. There were two items which we were asked to check further and report to the Executive Secretary by memorandum. The two items are (a) does the proposed division of the award (two-thirds to [REDACTED]) adequately reflect the efforts expended by each of the men, and (b) is there to be an immediate increase of traffic which might reflect larger tangible and intangible benefits to the Agency.

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3. Further investigation shows that the proposed division is fair and there has not been, nor do we expect a substantial increase in this traffic.

4. It is recommended that the Committee approve the distribution of the \$215. award with two-thirds going to [REDACTED] and one-third to [REDACTED]

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